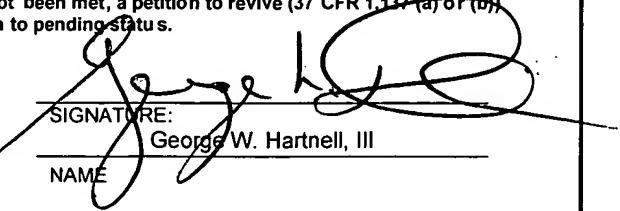


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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 62,667 (49321) 107520856
INTERNATIONAL APPLICATION NO. PCT/JP2004/003054	INTERNATIONAL FILING DATE 10 March 2004	PRIORITY DATE CLAIMED 11 March 2003
TITLE OF INVENTION INK JET HEAD, INK JET HEAD MODULE AND METHOD OF MANUFACTURING THE SAME		
APPLICANT(S) FOR DO/EO/US Yasuhiro Sakamoto, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Form PCT/IB/311 (1 page); Form PCT/ISA/210 (2 pages); Certificate of Express Mailing; and a Return Receipt Postcard.</p>		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.17)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER																															
10/520856		PCT/JP2004/003054		62,667 (49321)																															
21. The following fees are submitted:																																			
<input checked="" type="checkbox"/> a) Basic national fee \$300.00 <input checked="" type="checkbox"/> b) Examination fee \$200.00 <input checked="" type="checkbox"/> c) Search fee \$500.00			Applicant Use Office Use Only \$ 300.00 \$ 200.00 \$ 500.00 \$ 1,000.00																																
TOTAL OF ABOVE CALCULATIONS = \$1000.00																																			
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																			
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																
55 - 100 =	/50 =		x \$250.00																																
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th colspan="3">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>10 - 20 =</td> <td></td> <td>x</td> <td>\$</td> <td>0.00</td> </tr> <tr> <td>Independent claims</td> <td>5 - 3 =</td> <td>2</td> <td>x</td> <td>\$</td> <td>200.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td>+</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="3"></td> <td colspan="3" style="text-align: center;">TOTAL OF ABOVE CALCULATIONS = \$ 1,400.00</td> </tr> </tbody> </table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	10 - 20 =		x	\$	0.00	Independent claims	5 - 3 =	2	x	\$	200.00	MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	\$					TOTAL OF ABOVE CALCULATIONS = \$ 1,400.00		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																
Total claims	10 - 20 =		x	\$	0.00																														
Independent claims	5 - 3 =	2	x	\$	200.00																														
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	\$																															
			TOTAL OF ABOVE CALCULATIONS = \$ 1,400.00																																
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.																																			
SUBTOTAL = \$ 1,400.00																																			
<input type="checkbox"/> Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).																																			
TOTAL NATIONAL FEE = \$ 1,400.00																																			
<input type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																																			
TOTAL FEES ENCLOSED = \$ 1,440.00																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Amount to be refunded:</td> <td style="background-color: #cccccc;"></td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td style="background-color: #cccccc;"></td> <td>\$</td> </tr> </table>						Amount to be refunded:		\$	Amount to be charged:		\$																								
Amount to be refunded:		\$																																	
Amount to be charged:		\$																																	
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>1,440.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.																																			
SEND ALL CORRESPONDENCE TO: EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, Massachusetts 02205 (617) 439-4444 CUSTOMER NUMBER: 21874																																			
 SIGNATURE: <u>George W. Hartnell, III</u> NAME: <u>George W. Hartnell, III</u> 42,639 REGISTRATION NUMBER																																			

10/520856

DP Rec'd PCT/PTO 10 JAN 2005

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 62667(49321)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. **EV517915837US** in an envelope addressed to:

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Alexandria, VA 22313-1450

on 10 January 2005
Date

 Leanne Bryant
Signature

Signature

Lakeisha Bryant

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (2 pages), including duplicate copy thereof;

Fee Transmittal (1 page);

English language translation of the International application (55 pages), including 16 pages of Figures (totaling 71 pages):

Declaration and Power of Attorney (4 pages):

Information Disclosure Statement (2 pages), including duplicate copy thereof:

Form PTO/SB/08 (1 page);

Copy of IDS Citations (7 references):

Assignment document for recording, including Recordation Form Cover Sheet (3 pages);

Copy of published International Application (46 pages):

Form PCT/IB/311 (1 page):

Form PCT/ISA/210 (1 page);

Charge \$1,440.00 to deposit account.

Change \$1,100 to deposit account \$1,100.

10/520856

T12 Rec'd PCT/PTO 10 JAN 2005

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,440.00)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Yasuhiro Sakamoto, et al.
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	62,667 (49321)

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____
 Deposit Account Deposit Account Number: 04-1105 Deposit Account Name: Edwards & Angell, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
 Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fees Paid (\$)
Utility	300	150	500	250	200	100	\$1,000.00
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity
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50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
10	- 20 =	x	=	
5	- 3 =	2	x \$200 = \$400.00	

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
55	- 100 =	/50 (round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 8021 Recording each patent assignment, agreement or ... 40.00

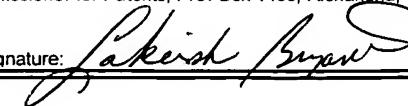
SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	42,639	Telephone	(617) 439-4444
Name (Print/Type)	George W. Hartnett, III			Date	January 10, 2005

Certificate of Express Mailing

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Dated: January 10, 2005

Signature: 

(Lakeisha Bryant)